DOCUMENT RESUME

ED 131 864 IR 004 248

TITLE	The California Education Information System (CEIS); a Report to the California Legislature as Required by Education Code Section 479.
INSTITUTION	California State Dept. of Education, Sacramento.
PUB DATE	76
NOTE	8p.
EDRS PRICE	MF-$0.83 HC-$1.67 Plus Postage.
DESCRIPTORS	Data Analysis; *Data Processing; Financial Support; *Information Systems; Management Information Systems; *Pupil Personnel Services; State Programs; Student Records
IDENTIFIERS	*California

ABSTRACT

Activities to date are summarized for the California Education Information System (CEIS), a data processing service which provides county and regional offices with a series of automated applications capable of meeting the majority of standard pupil and business information processing requirements. The following components are included: an outline of the system design; a brief historical background; summary figures on funding and expenditures; and data on utilization of CEIS and on distribution and implementation of processing packages. (EMH)

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The California Education Information System (CEIS)

A Report to the California Legislature as Required by Education Code Section 479

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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IR004248

CALIFORNIA STATE DEPARTMENT OF EDUCATION
Wilson Riles – Superintendent of Public Instruction
Sacramento, 1976

This legislative report was prepared by the Office of Data Processing Services, California State Department of Education, and was published by the Department, 721 Capitol Mall, Sacramento, CA 95814. Any questions regarding the report should be addressed to the Office of Data Processing Services (phone: 916-445-0774).

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1976

8470048

Education Code Section Requiring this Report

Gathering of Data; Surveys; Reports

479. The system is intended to provide a basic package of services to school districts that will facilitate the gathering of data required for reporting to the state. An annual survey shall be made of school district participation in the system. The results of such surveys shall be annually reported to the Legislature, and the first such report shall be submitted no later than the fifth legislative day of the 1970 Regular Session of the Legislature.

(Added by Stats. 1968, Ch. 1433.)

Report on CEIS

The California Education Information System (CEIS) was developed to provide school districts, offices of county superintendents of schools, and regional educational data processing centers with a series of integrated automated applications capable of meeting the majority of standard pupil and business information processing requirements of California school districts. More specifically, the developmental effort was undertaken to:

a. Expand the processing capability of regional EDP centers, thereby broadening the scope of automated services available to participating customer districts.

b. Provide system and programs to school district data processing operations, thereby reducing the requirement for total systems development on an individual basis.

c. Develop an information base for information reporting, on a manual or machine-readable basis, to the Department of Education.

The system design includes the following processing applications:

Business
- Personnel reporting and payroll processing
- Accounts payable processing
- Stores inventory processing
- Financial reporting

Pupil
- Student schedule builder
- Student scheduling
- Attendance accounting
- Test scoring/reporting
- Grade (mark) reporting
- Cal-guidance (student data) reporting
- Educational planning (counseling) reporting

General
- Business process control
- Pupil process control
- Pupil file maintenance

Historial Background of CEIS

Highlights of the tasks and projects performed during the CEIS project are presented chronologically as follows:

Year	Activity
1959-60	Study of automated processing of pupil personnel data
1960-63	Richmond pilot project
1962-65	Development of CEIS automated pupil services (version I) and establishment of regional centers
1965-68	Design of CEIS business and upgraded pupil services (version II) subsystems
1968-70	Contract with Computer Applications, Inc., to program, test and document business subsystem and upgraded pupil subsystem (version II)
1971-72	Contract with Boothe Resources, Inc., to program, test and document business subsystem and upgraded pupil subsystem (version II)
1972-73	Distribution of business and pupil applications and system maintenance
1973-75	Coordination of system acquisition

Since the inception of the CEIS project, the primary funding support has been from federal sources, with supplemental funding provided from the state General Fund and County School Service Fund. The total funding, by source, for the project period of 1959 through 1974 follows:

NDEA, Title V	$ 240,000
USOE Grant	495,000
ESEA, Title III	222,000
ESEA, Title V	720,000
State General Fund	397,000
County Service Fund	69,000
TOTAL	$2,143,000

Estimated expenditures, by activity, for the same project period were:

Richmond Study/Pilot Project			$ 150,000
Regional Center Support			100,000
Pupil Subsystem Initial Development	(295,000)		
Pupil Subsystem Upgrade	(625,000)	=	920,000
Business Subsystem Development			953,000
CEIS Coordination			20,000
TOTAL			$2,143,000

Utilization of the CEIS System

The original CEIS system, which was completed in 1965, included the pupil personnel applications, as indicated on page 5. This subsystem, which has been identified as CEIS-Version I, has been fully operational for approximately nine years. During this period, regional centers have continually increased the number of customers voluntarily using their services, and they now number in excess of 500 districts throughout the state serving approximately three-quarters of a million students, as indicated by the following chart:

Regional Center	Districts Served	Students Served
Central Valley	95	61,546
Kern	78	63,592
Los Angeles	33	58,042
Northwest	44	33,617
Riverside	39	59,392
Sacramento	81	84,616
San Diego	47	72,634
San Mateo	24	33,166
Santa Clara	109	133,325
Ventura	42	146,860
TOTALS	592	746,790

After the completion and distribution of CEIS-Version I, efforts were commenced to increase the overall capability of the system through the addition of automated business services and to improve and expand the operational capabilities of the originally released pupil services applications. These new and upgraded applications have been identified as CEIS-Version II.

The upgraded system was completed and released for field implementation in 1972. Included in the system were the following new processing applications:

Business
- Personnel reporting and payroll processing
- Accounts payable processing
- Stores inventory processing
- Financial reporting

General
- Business process Control
- Pupil process Control

Distribution - CEIS-Version II

Documentation sets and data processing programs have been purchased and distributed to the following organizational entities:

Organization	California	Out-of-State	Total
State Dept. of Education		1	1
Community College		2	2
School District	5	6	11
School Board		3	3
County School Office	4		4
Regional EDP Center	8	1	9
Education Cooperative		1	1
DP Computer Vendor	1	3	4
DP Consulting Firm	2	4	6
TOTALS	20	21	41

System Implementation - CEIS-Version II

California local educational agencies involved in the initial implementation of upgraded CEIS applications include:

Butte County Schools
Oakland City School District
Orange County Schools
Riverside County Schools
Santa Clara County Schools
Whittier Union High School District

While at this time no LEA has implemented all of the available new CEIS applications, the scope of CEIS utilization has expanded to include individual school districts and offices of county superintendents of schools, as well as regional centers.

CEIS Status as of December 1, 1975

Due to the wide range of computer configurations at CEIS-using installations in California, the Department no longer actively maintains or distributes programs and documentation. CEIS maintenance involvement by the state is limited to (1) indicating to prospective purchasers alternative system sources licensed to provide appropriate documentation and programs; and (2) providing CEIS program source tapes and documentation to computer vendors for conversion purposes.

In order to ensure the continued availability of CEIS from a source other than the state, a nonexclusive licensing agreement allows purchasers to modify, copy, and distribute their version of CEIS programs and documentation. Total charges for the licensee's version of CEIS is at a price mutually agreed upon between the licensee and the system recipients, with a $100 installation fee paid to the state by the licensee.

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